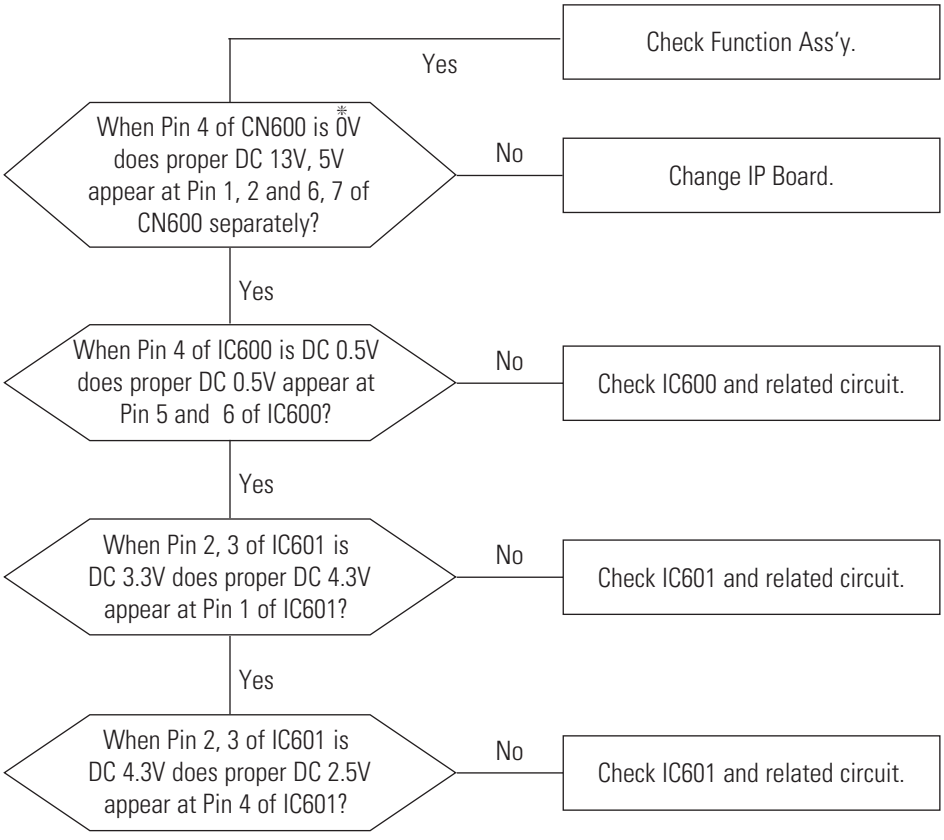
5 Troubleshooting

Notes: 1. Before troubleshooting, setup the PC's display as below.
- Resolution: 1280 x 1024
- H-frequency: 64 kHz
- V-frequency: 60 Hz

2. If no picture appears, make sure the power cord is correctly connected.
3. Check the following circuits.
- No raster appears: Function PBA, Main PBA, I/P PBA
- 5V develop but no screen: Main PBA
- 5V does not develop: I/P PBA

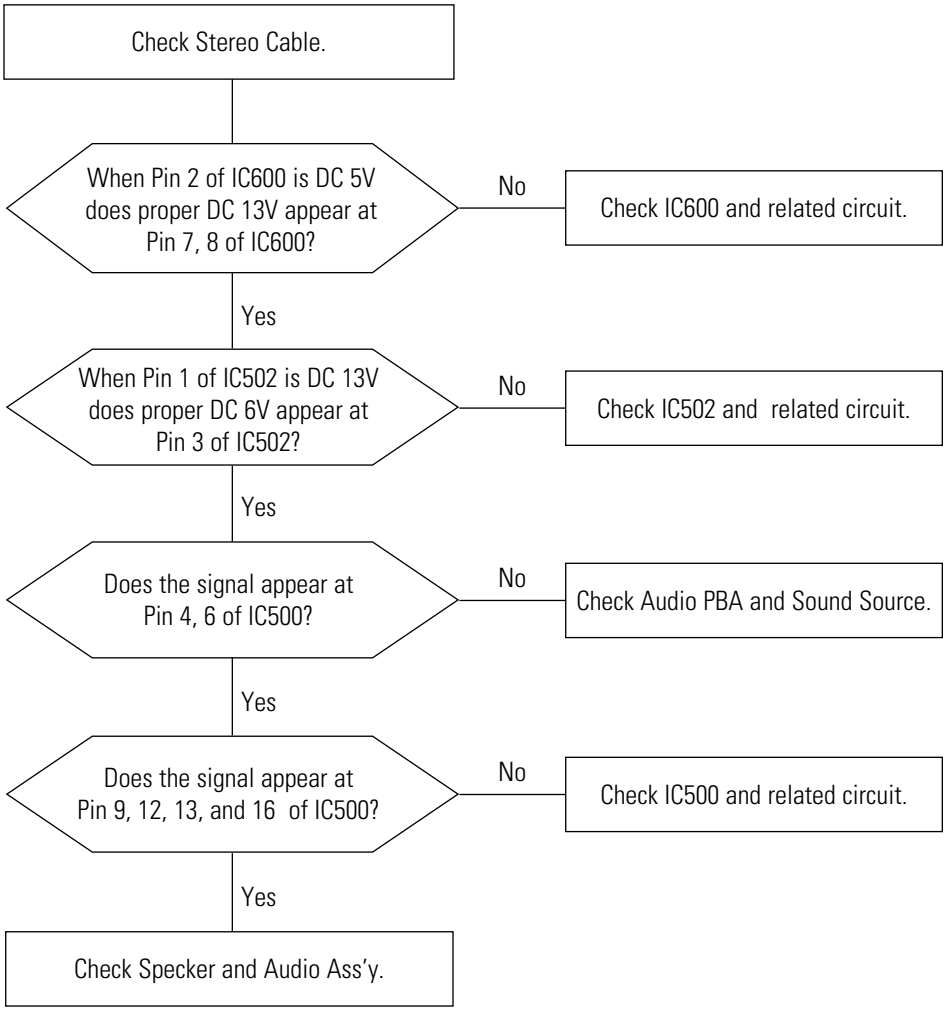
4. If you push and hold the "↵(Enter/Auto)" button for more than 5 seconds, the monitor automatically returns to the factory preset.

5-1 No Power


When Pin 4 of CN600 is 0V* does proper DC 13V, 5V appear at Pin 1, 2 and 6, 7 of CN600 separately?
Yes
No
Check Function Ass'y.
Change IP Board.
When Pin 4 of IC600 is DC 0.5V does proper DC 0.5V appear at Pin 5 and 6 of IC600?
Yes
No
Check IC600 and related circuit.
When Pin 2, 3 of IC601 is DC 3.3V does proper DC 4.3V appear at Pin 1 of IC601?
Yes
No
Check IC601 and related circuit.
When Pin 2, 3 of IC601 is DC 4.3V does proper DC 2.5V appear at Pin 4 of IC601?
Yes
No
Check IC601 and related circuit.

* 0V means power on state.
When the monitor work well except DPMS and power switch off,
0V should be applied to number 4 of CN600.

5-2 No Audio


Check Stereo Cable.
When Pin 2 of IC600 is DC 5V does proper DC 13V appear at Pin 7, 8 of IC600?
No
Check IC600 and related circuit.
Yes
When Pin 1 of IC502 is DC 13V does proper DC 6V appear at Pin 3 of IC502?
No
Check IC502 and related circuit.
Yes
Does the signal appear at Pin 4, 6 of IC500?
No
Check Audio PBA and Sound Source.
Yes
Does the signal appear at Pin 9, 12, 13, and 16 of IC500?
No
Check IC500 and related circuit.
Yes
Check Specker and Audio Ass'y.

5-3 No Video

Check signal cable connection and power.

1 X400 oscillate properly?
- No → Replace or check related circuit.
- Yes ↓

Is there R, G, B input at R100, R101 and R103?
- No → Check input part.
- Yes ↓

Is there Hsync, Vsync waveform **2** **3** at Pin 100, 1 of IC 400?
- No → Check IC400 and related circuit.
- Yes ↓

Is there Hsync, Vsync waveform **2** **3** at Pin 43, 44 of IC 200?
- No → Check IC200 and related circuit.
- Yes ↓

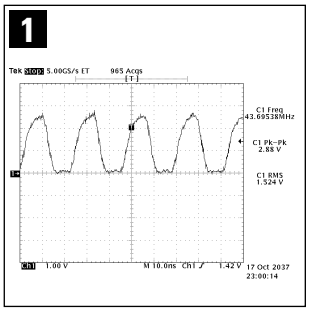
Does the output signal appear at Pin 17~20, 22~27 of CN400?
- No → Check IC400 and related circuit.
- Yes ↓

There are DC 5V at Pin 1, 2 and 3 of CN400?
- No → Check the panel EN signal at R222 and BL_EL signal at R603.
- Yes ↓

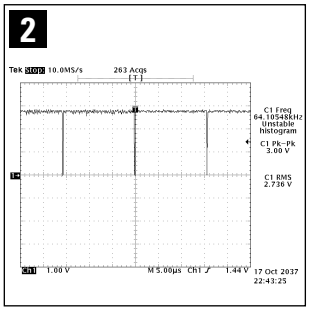
Replace LCD Panel.

WAVEFORMS

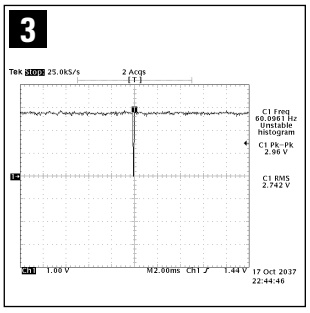
1



2



3



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